

# ABSTRACT

The invention relates to a system (500) for radio communication in the microwave range, comprising a transmitting device and a receiving device, said transmitting device comprising a transmitter (530), an antenna (510'), a filter (520') with variable filter characteristics, and a device (550') for controlling the variable filter (520'), and said receiving device comprising a receiver (540), an antenna (510), a filter (520) with variable filter characteristics, and a device (550) for controlling the variable filter (520). The filters (520,520') are arranged between the antenna and the transmitter, and the antenna and the receiver, respectively, the filters have variable filter characteristics, and said devices (550,550') for controlling the respective filters are responsive to control signals from an external source, whereby the frequency range at which the respective device and thereby the whole system (500) operates can be controlled during operation.

(Figure 4)